

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
6: Okoboji-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
8B: Judson-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
8C: Judson-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
9B: Marshall-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
9C2: Marshall-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
9D2: Marshall-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63

Building Site Development

Guthrie County, Iowa

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11B: Colo-----	60	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Judson-----	30	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
24B: Shelby-----	100	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
24C2: Shelby-----	100	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
24D2: Shelby-----	100	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Depth to saturated zone	0.63 0.16	Somewhat limited Slope	0.63
24E2: Shelby-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
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24E3: Shelby-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
24F2: Shelby-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
24F3: Shelby-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
51A: Vesser-----	95	Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone	1.00 1.00 1.00 0.50 0.19	Very limited Depth to saturated zone Flooding	1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.19
51A+: Vesser-----	95	Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone	1.00 1.00 1.00 0.50 0.19	Very limited Depth to saturated zone Flooding	1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.19

Building Site Development

Guthrie County, Iowa

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54: Zook-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Too clayey	1.00 1.00 0.60 0.01	Very limited Depth to saturated zone Flooding	1.00 1.00 0.60
54+: Zook-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding Too clayey	1.00 1.00 0.60 0.01	Very limited Depth to saturated zone Flooding	1.00 1.00 0.60
55A: Nicollet-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.73	Not limited	
62C2: Storden-----	100	Somewhat limited Frost action	0.50	Not limited		Not limited	
62D2: Storden-----	100	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
62E2: Storden-----	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
62F2: Storden-----	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
NONAGRICULTURAL INTERPRETATIONS

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
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65E2: Lindley-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
65F2: Lindley-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
65F3: Lindley-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
65G2: Lindley-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
69D2: Clearfield-----	100	Very limited Frost action Low strength Shrink-swell Slope Depth to saturated zone	1.00 1.00 1.00 0.63 0.19	Very limited Depth to saturated zone Slope Too clayey	1.00 0.63 0.12	Somewhat limited Slope Depth to saturated zone	0.63 0.19
73D2: Salida-----	100	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Droughty Slope	1.00 0.37

Building Site Development

Guthrie County, Iowa

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76A: Ladoga-----	100	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.15	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
76B: Ladoga-----	100	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.15	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
76C: Ladoga-----	100	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.15	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
76C2: Ladoga-----	100	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.15	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
76D: Ladoga-----	100	Very limited Low strength	1.00	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Slope	0.63	Depth to saturated zone	0.15		
		Shrink-swell	0.50				
		Frost action	0.50				
76D2: Ladoga-----	100	Very limited Low strength	1.00	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Slope	0.63	Depth to saturated zone	0.15		
		Shrink-swell	0.50				
		Frost action	0.50				

FIELD OFFICE TECHNICAL GUIDE Sec. II
NONAGRICULTURAL INTERPRETATIONS

Building Site Development

Guthrie County, Iowa

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
76E2: Ladoga-----	100	Very limited Low strength Slope Shrink-swell Frost action	 1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	 1.00 0.15	Very limited Slope	 1.00
80B: Clinton-----	100	Very limited Low strength Shrink-swell Frost action	 1.00 0.50 0.50	Somewhat limited Depth to saturated zone	 0.15	Not limited	
80C2: Clinton-----	100	Very limited Low strength Shrink-swell Frost action	 1.00 0.50 0.50	Somewhat limited Depth to saturated zone	 0.15	Not limited	
80D2: Clinton-----	100	Very limited Low strength Slope Shrink-swell Frost action	 1.00 0.63 0.50 0.50	Somewhat limited Slope Depth to saturated zone	 0.63 0.15	Somewhat limited Slope	 0.63
80D3: Clinton-----	100	Very limited Low strength Slope Shrink-swell Frost action	 1.00 0.63 0.50 0.50	Somewhat limited Slope Depth to saturated zone	 0.63 0.15	Somewhat limited Slope	 0.63
88: Nevin-----	95	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Very limited Depth to saturated zone	 0.95	Not limited	

Building Site Development

Guthrie County, Iowa

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93D2: Shelby-----	60	Very limited Low strength Slope	1.00 0.63	Somewhat limited Slope Depth to saturated zone	0.63 0.16	Somewhat limited Slope	0.63
		Shrink-swell Frost action	0.50 0.50				
Adair-----	35	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Slope	0.63
		Shrink-swell	1.00	Slope	0.63	Depth to saturated zone	0.19
		Low strength Slope Depth to saturated zone	1.00 0.63 0.19	Too clayey	0.41		
93D3: Shelby-----	60	Very limited Low strength Slope	1.00 0.63	Somewhat limited Slope Depth to saturated zone	0.63 0.16	Somewhat limited Slope	0.63
		Shrink-swell Frost action	0.50 0.50				
Adair-----	35	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Slope	0.63
		Shrink-swell	1.00	Slope	0.63	Depth to saturated zone	0.19
		Low strength Slope Depth to saturated zone	1.00 0.63 0.19	Too clayey	0.41		
93E2: Shelby-----	60	Very limited Slope Low strength	1.00 1.00	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
		Shrink-swell Frost action	0.50 0.50				

FIELD OFFICE TECHNICAL GUIDE Sec. II
NONAGRICULTURAL INTERPRETATIONS

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Adair-----	30	Very limited Frost action Shrink-swell	1.00 1.00	Very limited Slope Depth to saturated zone Too clayey	1.00 1.00 0.41	Very limited Slope Depth to saturated zone	1.00 0.19
93E3: Shelby-----	60	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
Adair-----	30	Very limited Frost action Shrink-swell	1.00 1.00	Very limited Slope Depth to saturated zone Too clayey	1.00 1.00 0.41	Very limited Slope Depth to saturated zone	1.00 0.19
95: Harps-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
107: Webster-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
108A: Wadena-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	

Building Site Development

Guthrie County, Iowa

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108B: Wadena-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	
108C2: Wadena-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	
133A: Colo-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Frost action	0.60	Frost action	0.60
		Flooding	1.00	Flooding		Flooding	
		Low strength	1.00				
		Shrink-swell	0.50				
133A+: Colo-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Frost action	0.60	Frost action	0.60
		Flooding	1.00	Flooding		Flooding	
		Low strength	1.00				
		Shrink-swell	0.50				
133B: Colo-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
133B+: Colo-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
138B: Clarion-----	100	Somewhat limited Frost action	0.50	Not limited		Not limited	

Building Site Development

Guthrie County, Iowa

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138B2: Clarion-----	100	Somewhat limited Frost action	0.50	Not limited		Not limited	
138C: Clarion-----	100	Somewhat limited Frost action	0.50	Not limited		Not limited	
138C2: Clarion-----	100	Somewhat limited Frost action	0.50	Not limited		Not limited	
138D2: Clarion-----	100	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
138E: Clarion-----	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
179D2: Gara-----	100	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Depth to saturated zone	0.63 0.16	Somewhat limited Slope	0.63
179E2: Gara-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
179F2: Gara-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00

Building Site Development

Guthrie County, Iowa

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179G2: Gara-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
192D2: Adair-----	100	Very limited Frost action Shrink-swell Low strength Slope Depth to saturated zone	1.00 1.00 1.00 0.63 0.19	Very limited Depth to saturated zone Slope Too clayey	1.00 0.63 0.41	Somewhat limited Slope Depth to saturated zone	0.63 0.19
192E2: Adair-----	100	Very limited Frost action Shrink-swell Slope Low strength Depth to saturated zone	1.00 1.00 1.00 1.00 0.19	Very limited Slope Depth to saturated zone Too clayey	1.00 1.00 0.41	Very limited Slope Depth to saturated zone	1.00 0.19
192E3: Adair-----	100	Very limited Frost action Shrink-swell Slope Low strength Depth to saturated zone	1.00 1.00 1.00 1.00 0.19	Very limited Slope Depth to saturated zone Too clayey	1.00 1.00 0.41	Very limited Slope Depth to saturated zone	1.00 0.19
201B: Olmitz-----	50	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	

Building Site Development

Guthrie County, Iowa

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Colo-----	30	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
203: Cylinder-----	95	Very limited Frost action Shrink-swell Low strength	1.00 0.50 0.22	Very limited Depth to saturated zone	0.95	Not limited	
212: Kennebec-----	95	Very limited Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 0.50	Somewhat limited Depth to saturated zone Flooding	0.61 0.60	Somewhat limited Flooding	0.60
220: Nodaway-----	95	Very limited Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 0.50	Somewhat limited Depth to saturated zone Flooding	0.61 0.60	Somewhat limited Flooding	0.60
222C2: Clarinda-----	100	Very limited Frost action Low strength Shrink-swell Depth to saturated zone	1.00 1.00 1.00 0.19	Very limited Depth to saturated zone Too clayey	1.00 0.50	Somewhat limited Depth to saturated zone	0.19

FIELD OFFICE TECHNICAL GUIDE Sec. II
NONAGRICULTURAL INTERPRETATIONS

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
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222D2: Clarinda-----	100	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Slope	0.63
		Low strength	1.00	Slope	0.63	Depth to saturated zone	0.19
		Shrink-swell	1.00	Too clayey	0.50		
		Slope	0.63				
		Depth to saturated zone	0.19				
236B: Lester-----	100	Very limited Low strength	1.00	Not limited		Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
236C2: Lester-----	100	Very limited Low strength	1.00	Not limited		Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
236D2: Lester-----	100	Very limited Low strength	1.00	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Slope	0.63				
		Shrink-swell	0.50				
		Frost action	0.50				
269: Humeston-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	1.00				
273B: Olmitz-----	100	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.16	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				

FIELD OFFICE TECHNICAL GUIDE Sec. II
NONAGRICULTURAL INTERPRETATIONS

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
273C: Olmitz-----	100	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.16	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
308A: Wadena-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	
308B: Wadena-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	
308C: Wadena-----	100	Somewhat limited Slope	0.16	Very limited cutbanks cave Slope	0.90 0.16	Somewhat limited Slope	0.16
313E2: Gosport-----	100	Very limited Low strength	1.00	Very limited Depth to saturated zone	1.00	Very limited Slope	0.96
		Shrink-swell	1.00	Slope	0.96	Depth to bedrock	0.46
		Slope	0.96	Depth to soft bedrock	0.46	Depth to saturated zone	0.03
		Frost action	0.50	Too clayey	0.32		
		Depth to saturated zone	0.03				
313F2: Gosport-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Low strength	1.00	Depth to saturated zone	1.00	Depth to bedrock	0.46
		Shrink-swell	1.00	Depth to soft bedrock	0.46	Depth to saturated zone	0.03
		Frost action	0.50	Too clayey	0.32		
		Depth to saturated zone	0.03				
315: Alluvial Land-----	90	Not rated		Not rated		Not rated	

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
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318F: Clanton-----	100	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 1.00 0.50	Very limited Slope Depth to saturated zone Too clayey	1.00 0.16 0.04	Very limited Slope	1.00
354: Marsh-----	95	Not rated		Not rated		Not rated	
368: Macksburg-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
370A: Sharpsburg-----	100	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone	0.15	Not limited	
370B: Sharpsburg-----	100	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone	0.15	Not limited	
370C: Sharpsburg-----	100	Very limited Frost action Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone	0.15	Not limited	
370C2: Sharpsburg-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.15	Not limited	

FIELD OFFICE TECHNICAL GUIDE Sec. II
NONAGRICULTURAL INTERPRETATIONS

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
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370D: Sharpsburg-----	100	Very limited Frost action Slope Shrink-swell	1.00 0.63 0.50	Somewhat limited Slope Depth to saturated zone	0.63 0.15	Somewhat limited Slope	0.63
370D2: Sharpsburg-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope Depth to saturated zone	0.63 0.15	Somewhat limited Slope	0.63
370E2: Sharpsburg-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope Depth to saturated zone	1.00 0.15	Very limited Slope	1.00
415D: Montieth-----	100	Somewhat limited Slope Frost action	0.63 0.50	Very limited cutbanks cave Slope Depth to soft bedrock	0.90 0.63 0.26	Somewhat limited Droughty Slope Depth to bedrock	0.81 0.63 0.26
415E: Montieth-----	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope cutbanks cave Depth to soft bedrock	1.00 0.90 0.26	Very limited Slope Droughty Depth to bedrock	1.00 0.81 0.26
415F: Montieth-----	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope cutbanks cave Depth to soft bedrock	1.00 0.90 0.26	Very limited Slope Droughty Depth to bedrock	1.00 0.81 0.26

FIELD OFFICE TECHNICAL GUIDE Sec. II
NONAGRICULTURAL INTERPRETATIONS

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
416E: Hesch-----	100	Very limited Slope Frost action	0.96 0.50	Very limited Slope cutbanks cave Depth to soft bedrock	0.96 0.90 0.46	Very limited Slope Depth to bedrock	0.96 0.46
417D: Hesch-----	100	Somewhat limited Slope Frost action	0.63 0.50	Very limited cutbanks cave Slope Depth to soft bedrock	0.90 0.63 0.46	Somewhat limited Slope Depth to bedrock	0.63 0.46
417E: Hesch-----	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope cutbanks cave Depth to soft bedrock	1.00 0.90 0.46	Very limited Slope Depth to bedrock	1.00 0.46
428B: Ely-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	
485A: Spillville-----	95	Very limited Flooding Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Somewhat limited Depth to saturated zone Flooding	0.61 0.60	Somewhat limited Flooding	0.60
507: Canisteo-----	95	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
NONAGRICULTURAL INTERPRETATIONS

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
585B: Colo-----	60	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Spillville-----	30	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone	0.61	Not limited	
615B: Colo-----	60	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Spillville-----	30	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone	0.61	Not limited	
675C2: Dickinson-----	60	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
Sharpsburg-----	30	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.15	Not limited	
675D2: Dickinson-----	50	Somewhat limited Slope Frost action	0.63 0.50	Very limited cutbanks cave Slope	0.90 0.63	Somewhat limited Slope	0.63

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Sharpsburg-----	40	Very limited Frost action Low strength Slope Shrink-swell	 1.00 1.00 0.63 0.50	Somewhat limited Slope Depth to saturated zone	 0.63 0.15 	Somewhat limited Slope	 0.63
733: Calco-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	 1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding	 1.00 0.60	Very limited Depth to saturated zone Flooding	 1.00 0.60
822D2: Lamoni-----	100	Very limited Low strength Shrink-swell Slope Frost action Depth to saturated zone	 1.00 1.00 0.63 0.50 0.19	Very limited Depth to saturated zone Slope Too clayey	 1.00 0.63 0.08	Somewhat limited Slope Depth to saturated zone	 0.63 0.19
822E2: Lamoni-----	100	Very limited Low strength Shrink-swell Slope Frost action Depth to saturated zone	 1.00 1.00 1.00 0.50 0.19	Very limited Slope Depth to saturated zone Too clayey	 1.00 1.00 0.08	Very limited Slope Depth to saturated zone	 1.00 0.19
993E2: Gara-----	60	Very limited Slope Low strength Shrink-swell Frost action	 1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	 1.00 0.16 	Very limited Slope	 1.00

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Armstrong-----	30	Very limited Frost action Low strength Shrink-swell Slope Depth to saturated zone	 1.00 1.00 1.00 1.00 0.19	Very limited Slope Depth to saturated zone Too clayey	 1.00 1.00 0.32	Very limited Slope Depth to saturated zone	 1.00 0.19
C133A: Colo-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	 1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	 1.00 0.80	Very limited Flooding Depth to saturated zone	 1.00 1.00
C220: Nodaway-----	90	Very limited Frost action Flooding Low strength Shrink-swell	 1.00 1.00 1.00 0.50	Somewhat limited Flooding Depth to saturated zone	 0.80 0.61	Very limited Flooding	 1.00
T9B: Marshall-----	100	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Not limited		Not limited	
T76B: Ladoga-----	100	Very limited Low strength Shrink-swell Frost action	 1.00 0.50 0.50	Somewhat limited Depth to saturated zone	 0.15	Not limited	
T370B: Sharpsburg-----	100	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Somewhat limited Depth to saturated zone	 0.15	Not limited	

Building Site Development

Guthrie County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
W: Water-----	100	Not rated		Not rated		Not rated	